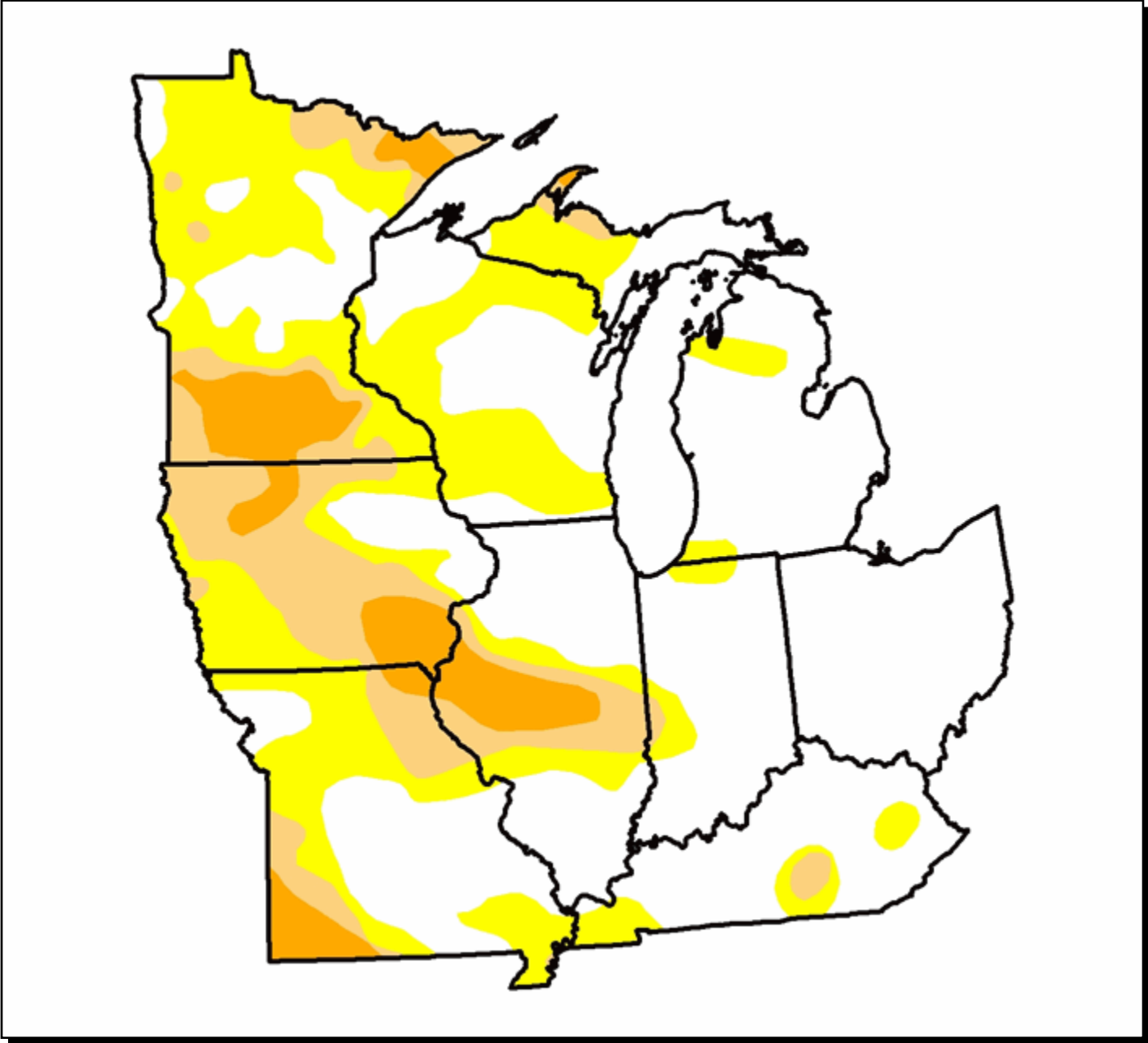


Storm Data and Unusual Weather Phenomena - October 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Northwest				
(IL-Z025) HENDERSON, (IL-Z026) WARREN, (IL-Z034) HANCOCK, (IL-Z035) MCDONOUGH				
	10/01/11 00:00 CST	0		Drought
	10/31/11 23:59 CST	0		

The drought that began in early August and became a D2 severe drought category by the end of August, continued through the month of October. The area affected by the drought was across much of southeast Iowa, extreme northeast Missouri and western Illinois. The impact of this drought was confined to agriculture/grasslands with some reduced crop yields but damage amounts are unknown. Some counties implemented burn bans in October to help prevent field and brush fires until the drought eased.

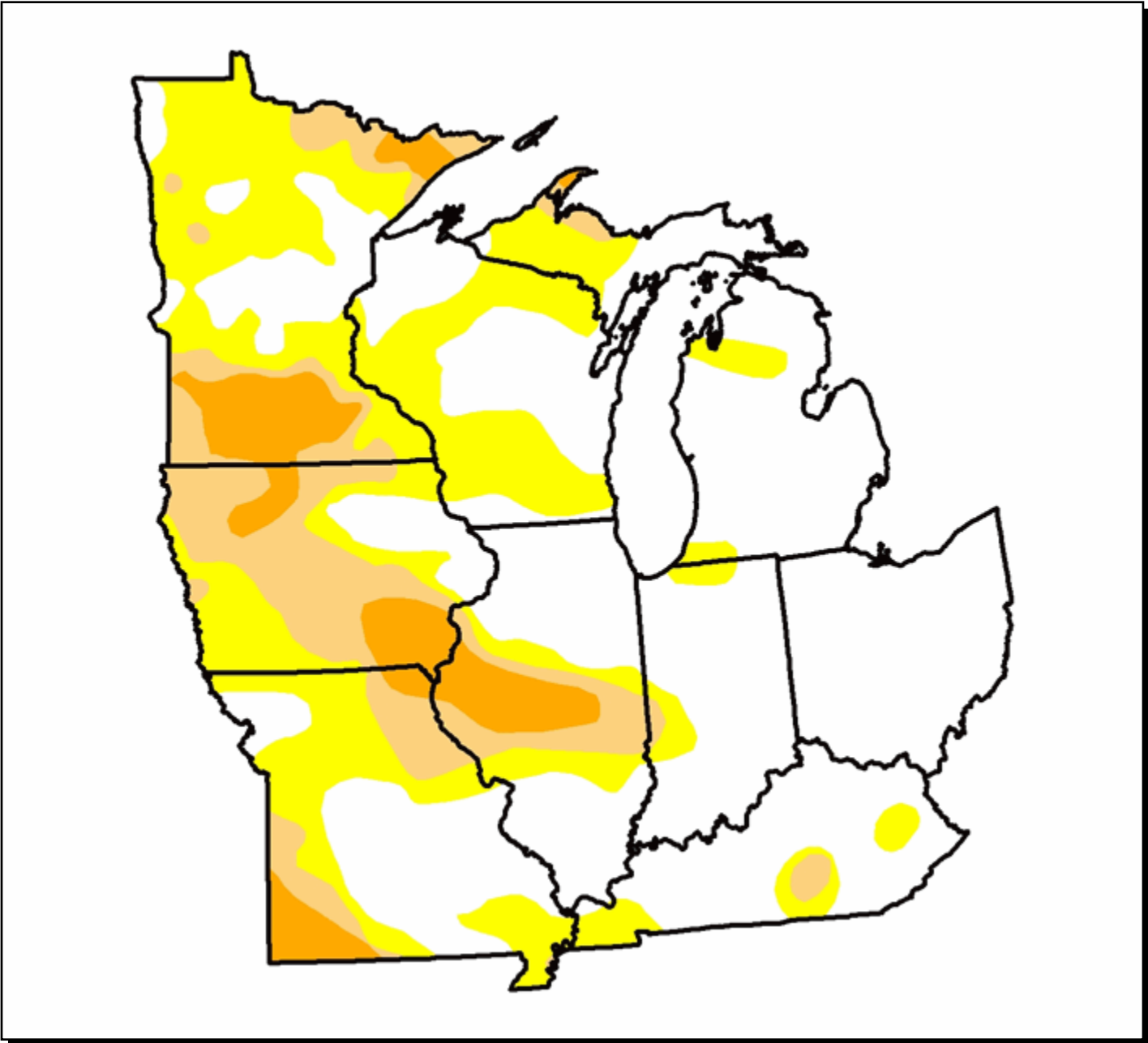


Severe D2 drought across southeast Iowa, extreme northeast Missouri and western Illinois during the month of October. Courtesy U.S. Drought Monitor.

Storm Data and Unusual Weather Phenomena - October 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, East Central and Southeast				
(IA-Z076) KEOKUK, (IA-Z077) WASHINGTON, (IA-Z078) LOUISA, (IA-Z087) JEFFERSON, (IA-Z088) HENRY, (IA-Z089) DES MOINES, (IA-Z098) VAN BUREN, (IA-Z099) LEE				
	10/01/11 00:00 CST	0		Drought
	10/31/11 23:59 CST	0		

The drought that began in early August and became a D2 severe drought category by the end of August, continued through the month of October. The area affected by the drought was across much of southeast Iowa, extreme northeast Missouri and western Illinois. According to the Iowa state climatologist the September-October period was the 5th driest on record, and the last time it was drier was in 1953. The impact of this drought was confined to agriculture/grasslands with some reduced crop yields but damage amounts are unknown. Some counties implemented burn bans in October to help prevent field and brush fires until the drought eased.



Severe D2 drought across southeast Iowa, extreme northeast Missouri and western Illinois during the month of October. Courtesy U.S. Drought Monitor.

## Storm Data and Unusual Weather Phenomena - October 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>DES MOINES COUNTY --- 1.5 NNE BURLINGTON ARPT [40.80, -91.11]</b>				
	10/11/11 15:12 CST		0	Hail (0.75 in)
	10/11/11 15:12 CST		0	Source: Trained Spotter

Trained spotter reported penny size hail at Hyatt and 65th Street in Burlington.

Isolated thunderstorms developed during the peak heating of late afternoon along and east of the Mississippi River on October 11, 2011. The storms formed in the deeper low level moisture axis where surface dew points were around 60F. Negative theta-e lapse rates were present in the 850-500 mb layer along with marginal instability. There was a southwest flow aloft with short wave energy emerging out of the Plains and into the Midwest. There were several reports of pea size hail but one storm managed to produce penny size hail in Burlington, Iowa during the late afternoon.

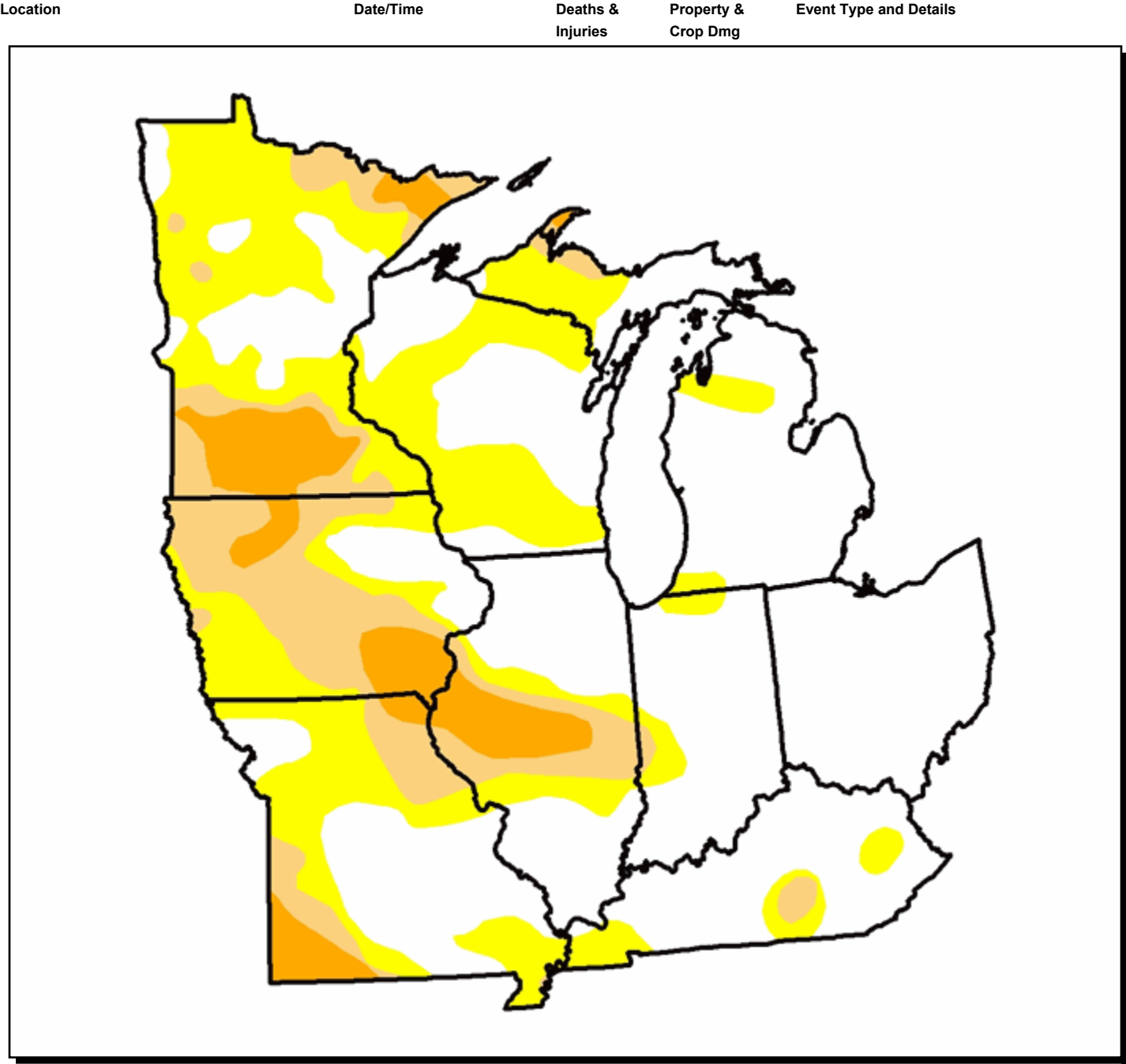
### MISSOURI, Northeast

(MO-Z009) SCOTLAND, (MO-Z010) CLARK

10/01/11 00:00 CST	0	Drought
10/31/11 23:59 CST	0	

The drought that began in early August and became a D2 severe drought category by the end of August, continued through the month of October. The area affected by the drought was across much of southeast Iowa, extreme northeast Missouri and western Illinois. The impact of this drought was confined to agriculture/grasslands with some reduced crop yields but damage amounts are unknown. Some counties implemented burn bans in October to help prevent field and brush fires until the drought eased.

Storm Data and Unusual Weather Phenomena - October 2011



Severe D2 drought across southeast Iowa, extreme northeast Missouri and western Illinois during the month of October. Courtesy U.S. Drought Monitor.